

Appl. No. 10/687,947
Amdt. Dated December 9, 2005
Reply to Office Action of August 10, 2005

Attorney Docket No. 81863.0022
Customer No.: 26021

Amendments to the Specification:

Please replace the paragraph at page 13, line 25 to page 14, line 8, with the following rewritten paragraph:

Concretely, as shown in FIG. 3(a), a support member 3 is fixed to the ceramic substrate 2 of the actuator of the present invention. Non-constraint part 8a 8b (free vibration part) located at the opening part of a groove, and a constraint part 8b 8a (fixed part) formed by joining are formed on the surface of the ceramic substrate 2 joined to the support member 3. When voltage is impressed between the common electrode 5 and separate electrode 6, the displacement of the piezoelectric ceramic layer 4 causes the displacement of the displacement element 7, so that vibration occurs at the non-constraint part 8b. This structure enables to make full use of the feature of the actuator causing large displacement.